BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	1							

Item Name: Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 5.5 m3)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			20-02-2023				
Kempegowda Statue							
For Retaining Wall		1	11.30	1.50	1.35	22.88	
For Foundation		1	1.60	0.90	0.90	1.30	
		1	0.90	0.90	0.90	0.73	
		1	1.45	0.90	0.90	1.17	
		1	4.20	1.05	1.50	6.62	
		1	4.20	1.05	1.50	6.62	
		1	1.45	0.90	0.90	1.17	
		1	0.90	0.90	0.90	0.73	
		1	1.60	0.90	0.90	1.30	
For Column		1	1.50	1.20	1.50	2.70	
Combined Footing		1	2.39	1.80	1.70	7.30	
		1	6.86	1.80	1.70	20.99	
		1	3.58	1.80	1.70	10.96	
Total Quantity						**84.47**	**Cum**
Quantity Carried to Summary						**84.47**	**Cum**

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer

(2)

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No 01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	2							

Item Name: Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			01-03-2023				
Kempegowda Statue							
For Retaining Wall		1	11.30	1.50	0.15	2.54	
For Foundation		1	1.60	0.90	0.15	0.22	
		1	0.90	0.90	0.15	0.12	
		1	1.45	0.90	0.15	0.20	
		1	4.20	1.05	0.15	0.66	
		1	4.20	1.05	0.15	0.66	
		1	1.45	0.90	0.15	0.20	
		1	0.90	0.90	0.15	0.12	
		1	1.60	0.90	0.15	0.22	
For Column		1	1.50	1.20	0.15	0.27	
Combined Footing		1	2.39	1.80	0.15	0.64	
		1	6.86	1.80	0.15	1.85	
		1	3.58	1.80	0.15	0.97	
		4	1.40	0.90	0.15	0.76	
		Total Quantity				9.42	Cum
		Quantity Carried to Summary				9.42	Cum

C&FC

Asst. Executive Engineer Yelahanka Sub. Division (BBMP Yelahanka Zone) Yelahanka, Bangalore

Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	3							
Item Name:	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			23-03-2023 ✓				
Kempegowda Statue							
Step-1							
For Foundation		1	1.60	0.75	0.40	0.48	
		1	0.90	0.75	0.40	0.27	
		1	1.45	0.75	0.40	0.44	
		1	4.20	0.90	0.40	1.51	
		1	4.20	0.90	0.40	1.51	
		1	1.45	0.75	0.40	0.44	
		1	0.90	0.75	0.40	0.27	
		1	1.60	0.75	0.40	0.48	
Step-2							
For Foundation		1	1.60	0.60	0.40	0.38	
		1	0.90	0.60	0.40	0.22	
		1	1.45	0.60	0.40	0.35	
		1	4.20	0.75	0.60	1.89	
		1	4.20	0.75	0.60	1.89	
		1	1.45	0.60	0.40	0.35	
		1	0.90	0.60	0.40	0.22	
		1	1.60	0.60	0.40	0.38	
		4	1.40	0.90	0.40	2.02	
Step-2							
For Foundation		1	1.60	0.45	0.40	0.29	

CBFC

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)

(4)

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	0.90	0.45	0.40	0.16	
			1	1.45	0.45	0.40	0.26	
			1	4.20	0.60	0.60	1.51	
			1	4.20	0.60	0.60	1.51	C & FC
			1	1.45	0.45	0.40	0.26	Ramesh
			1	0.90	0.45	0.40	0.16	Asst. Executive Engineer
			1	1.60	0.45	0.40	0.29	Yelahanka Sub. Divisor
			1	4.20	0.45	0.5	0.91	(BBMP Ynk. Zn)
			1	4.20	0.45	0.50	0.95	Yelahanka. Bangalore
	Total Quantity						19.38	Cum
	Quantity Carried to Summary						19.38	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

(5)

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	10							

Item Name: Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			25-07-2023.				
Vide Qty from Item No.01			84.47		1.20	101.36	
Vide Qty from Item No.E1			15.42		1.20	18.50	
Vide Qty from Item No.E2			1.54		1.20	1.85	
Vide Qty from Item No.E3			30.36		1.20	36.44	
	Total Quantity					158.16	T Km
	Quantity Carried to Summary					158.16	T Km

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	E-1							

Item Name: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) Dismantling Brick / Tile work By Manual Means B In cement mortar (KPWD 2022-23, V-III Page No.8, Item No.2.9 B) Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 5.5 m3) (KPWD 2022-23, V-III Page No.3, Item No.1.1 A)

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				13-02-2023				
For Compound Wall								
			1	17.50	0.20	1.50	5.25	
			1	15.50	0.20	1.50	4.65	
			1	12.00	0.20	1.50	3.60	
			1	6.40	0.20	1.50	1.92	
	Total Quantity						15.42	Cum
	Quantity Carried to Summary						15.42	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

em No.	E-2							

Item Name: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead ((iv) Dismantling Stone Masonry By Manual Means B Rubble stone masonry in cement mortar. (KPWD 2022-23, V-III Page No.8, Item No.2.10 B) Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 5.5 m3) (KPWD 2022-23, V-III Page No.3, Item No.1.1 A)

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				16-02-2023				
For Compound Wall								
			1	17.50	0.20	0.15	0.53	
			1	15.50	0.20	0.15	0.47	
			1	12.00	0.20	0.15	0.36	
			1	6.40	0.20	0.15	0.19	
	Total Quantity						1.54	Sqm
	Quantity Carried to Summary						1.54	Sqm

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

tem No.	E-3							

Item Name: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I Lime /Cement Concrete By Manual Means B Cement Concrete Grade M-15 & M-20. (KPWD 2022-23, V-III Page No.8, Item No.2.7 B) Loading and Unloading of Stone Boulder/Stone aggregates/Sand/Kankar/Moorum. (Tipper 5.5 m3) (KPWD 2022-23, V-III Page No.3, Item No.1.1 A)

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				16-02-2023				
For Flooring								
			1	16.50	9.20	0.20	30.36	
	Total Quantity						30.36	Cum
	Quantity Carried to Summary						30.36	Cum

Asst Engineer
Ward No.01
BBMP

Received as per bill
Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No. 01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

tem No.	E-4							

Item Name: Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2 (KWPD 2021-22, V-II, Item No.6.4) Issue Rates as on 21.04.2022

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24-02-2023				
For Retaining Wall		1	11.30	1.50	0.30	5.09	
For Foundation		1	1.60	0.90	0.20	0.29	
		1	0.90	0.90	0.20	0.16	
		1	1.45	0.90	0.20	0.26	
		1	4.20	2.10	0.20	1.76	
		1	1.45	0.90	0.20	0.26	
		1	0.90	0.90	0.20	0.16	
		1	1.60	0.90	0.20	0.29	
For Column		1	1.50	1.20	0.30	0.54	
Combined Footing		1	2.39	1.80	0.30	1.29	
		1	6.86	1.80	0.30	3.70	
		1	3.58	1.80	0.30	1.93	
	Total Quantity					15.74	Cum
	Quantity Carried to Summary					15.74	Cum

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಕಾರ್ಯಪಾಲಕ ವಿಭಾಗ

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP) Yelk. Zn)
Yelahanka, Bangalore

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	E-5							

Item Name: Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) (KPWD 2022-23, V-I Page No.15, Item No.2.2.2.1)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			09-03-2023, 14-03-2023				
For Retaining	Raft	1	11.30	1.50	0.60	10.17	
For Column Footing		1	1.50	1.20	0.60	1.08	
Combined Footing		1	2.39	1.80	0.60	2.58	
		1	6.86	1.80	0.60	7.41	
		1	3.58	1.80	0.60	3.87	
	Total Quantity					25.11	Cum
	Quantity Carried to Summary					25.11	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	E-6								
Item Name:	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (KPWD 2022-23, V-I Page No.17, Item No.2.4.2)								

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				20-03-2023				
Column upto plinth								
	C1		4	0.20	0.30	0.75	0.18	
	C2		8	0.40	0.40	0.75	0.96	
	Total Quantity						1.14	Cum
	Quantity Carried to Summary						1.14	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	E-7							
Item Name:	Providing and laying in Reinforced cement concrete for all Basement & surface level works, return walls, retaining walls, sunken floors etc. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticiser , laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) (KPWD 2022-23, V-I Page No.16, Item No.2.3.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			20-03-2023				
For Retaining Wall							
	Wall	1	11.30	0.30	0.70	2.37	
	Total Quantity					2.37	Cum
	Quantity Carried to Summary					2.37	Cum

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst Engineer
Ward No.01
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	E-8							

Item Name: Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (KPWD 2022-23, V-I Page No.17, Item No.2.5.1)

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				31-03-2023				
Plinth Beam								
			4	1.30	0.20	0.45	0.47	
			2	1.40	0.20	0.45	0.25	
			2	2.30	0.20	0.45	0.41	
			2	4.20	0.20	0.45	0.76	
	Platform		4	1.40	0.90	0.45	2.27	
	Total Quantity						**4.16**	**Cum**
	Quantity Carried to Summary						**4.16**	**Cum**

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst Engineer
Ward No.01
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

em No.	E-9							

Item Name: Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (KPWD 2022-23, V-I Page No.17, Item No.2.5.1)

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				13-04-2023				
Column above Plinth								
	C1		4	0.20	0.30	5.00	1.20	
	C2		8	0.40	0.40	5.00	6.40	
	C3		3	0.15	0.45	1.70	0.34	
	Total Quantity						7.94	Cum
	Quantity Carried to Summary						7.94	Cum

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ne of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

ne of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

n No.	E-10							

tem ame: Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (KPWD 2022-23, V-I Page No.17, Item No.2.5.1)

L NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				15-05-2023				
	Beams		8	1.30	0.20	0.45	0.94	C&RC
			8	2.30	0.20	0.45	1.66	
			4	4.20	0.20	0.45	1.51	
			2	11.30	0.15	0.30	1.02	
	Arch		8	1.70	0.45	1.15	7.04	
			4	1.70	1.40	0.58	5.47	
	Total Quantity						17.63	Cum
	Quanti Carried to Summary						17.63	Cum

Raneshengineer
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst Engineer
Ward No.01

Asst. Executive Engineer
Yelahanka Sub Division

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

o.	E-11							

Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (KPWD 2022-23, V-I Page No.17, Item No.2.5.1)

)	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:				21-06-2023				
	Slab							
			1	4.20	1.90	0.15	1.20	
			4	2.30	1.90	0.15	2.62	
	Total Quantity						3.82	Cum
	Quantity Carried to Summary						3.82	Cum

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Divisor
(BBMP Ynk. Zn)

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division

Measurement Sheet

1st & Final Bill

cy: Sri.Jagadish (Varun Kaarthick Constructions)

-12												

viding Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, ing, bending, placing in position binding and anchoring to adjacent members whereever necessary complete as per Design uding cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured arately) (KWPD 2021-22, V-II, Item No.11.32, Page No.84)

e / To	Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
2	3	4	5	6	7	8	9	10	11	12	13
	Tonne										
ment recorded on:	06-03-2023, 13-03-2023, 18-03-2023, 29-03-2023, 12-04-2023, 12-05-2023, 19-06-2023										
aining Wall											
Raft	2	12.00	11.30	2.70	0.125	182.00	491.40	0.89	437.35		
	2	12.00	1.50	11.30	0.150	21.00	237.30	0.89	211.20		
Wall	2	16.00	11.30	1.30	0.125	182.00	236.60	1.58	373.83		
	2	16.00	11.30	1.30	0.125	182.00	236.60	1.58	373.83		
	2	12.00	0.70	11.30	0.125	12.00	435.60	0.89	387.68		
umn Footing											
	2	10.00	1.50	2.40	0.125	25.00	560.00	0.62	347.20		
	2	10.00	1.20	2.70	0.125	20.00	554.00	0.62	343.48		
	2	10.00	2.39	3.00	0.125	39.00	617.00	0.62	382.54		
	2	10.00	1.80	3.59	0.125	30.00	607.70	0.62	376.77		
	2	10.00	6.86	3.00	0.125	111.00	833.00	0.62	516.46		
	2	10.00	1.80	8.06	0.125	30.00	741.80	0.62	459.92		
	2	10.00	3.58	3.00	0.125	58.00	674.00	0.62	417.88		
	2	10.00	1.80	4.78	0.125	30.00	643.40	0.62	398.91		

Asst. Executive Engineer

age / To	Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
ın Upto Plinth											
C1(4Nos)		4	16.00	0.75	1.80		16.00	28.80	1.58	45.50	
		4	8.00	0.75	0.80	0.150	21.00	16.80	0.39	6.55	
C2(8Nos)		8	16.00	0.75	1.80		32.00	57.60	1.58	91.01	
		8	8.00	0.75	1.40	0.150	41.00	57.40	0.39	22.39	
linth Beam											
		4	16.00	1.30	1.30		16.00	20.80	1.58	32.86	
		4	8.00	1.30	1.10	0.150	36.00	39.60	0.39	15.44	
		2	16.00	1.40	1.40		8.00	11.20	1.58	17.70	
		2	8.00	1.40	1.10	0.150	20.00	22.00	0.39	8.58	
		2	16.00	2.30	2.30		8.00	18.40	1.58	29.07	
		2	8.00	2.30	1.10	0.150	32.00	35.20	0.39	13.73	
		2	16.00	4.20	4.20		8.00	33.60	1.58	53.09	
		2	8.00	4.20	1.10	0.150	57.00	62.70	0.39	24.45	
Platform											
		4	10.00	1.40	0.90	0.150	38.00	34.20	0.62	21.20	
		4	10.00	1.40	1.40	0.150	38.00	53.20	0.62	32.98	
lumn above Plinth											
C1(4Nos)		4	12.00	5.00	5.00		16.00	80.00	0.89	71.20	
		4	8.00	5.00	0.80	0.150	134.00	107.20	0.39	41.81	
C2(8Nos)		8	12.00	5.00	5.00		32.00	160.00	0.89	142.40	

Asst. Executive Engineer
Yelahanka Sub. Divisor

Chainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
om	To											
			8	8.00	5.00	1.40	0.150	268.00	375.20	0.39	146.33	
C3(3Nos)			3	12.00	1.70	1.70		12.00	20.40	0.89	18.16	
			3	8.00	1.70	1.00	0.150	35.00	35.00	0.39	13.65	
	Beams											
			8	16.00	1.30	1.30		32.00	41.60	1.58	65.73	
			8	8.00	1.30	1.10	0.150	70.00	77.00	0.39	30.03	
			8	16.00	2.30	2.30		32.00	73.60	1.58	116.29	
			8	8.00	2.30	1.10	0.150	124.00	136.40	0.39	53.20	
			4	16.00	4.20	4.20		16.00	67.20	1.58	106.18	
			4	8.00	4.20	1.10	0.150	113.00	124.30	0.39	48.48	
			2	16.00	11.30	11.30		8.00	90.40	1.58	142.83	
			2	8.00	11.30	0.70	0.150	152.00	106.40	0.39	41.50	
Arch			8	12.00	2.50	2.50	0.150	134.00	835.00	0.89	743.15	
			8	10.00	2.50	0.45	0.150	134.00	60.30	0.62	37.39	
			4	12.00	2.50	2.50	0.150	68.00	420.00	0.89	373.80	
			4	10.00	2.50	0.45	0.150	68.00	30.60	0.62	18.97	
	Slab											
			1	12.00	4.20	1.90	0.125	35.00	66.50	0.89	59.19	
			1	12.00	1.90	4.20	0.125	16.00	67.20	0.89	59.81	
			4	12.00	2.30	1.90	0.125	75.00	142.50	0.89	126.83	

Asst. Executive Engineer
Yelahanka Sub. Divisor

Chainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars ((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
om	To											
			4	12.00	1.90	2.30	0.125	62.00	142.60	0.89	126.91	
											8025.41	
	Total Qty in Kgs										8025.41	Kgs
	Quantity Carried to Summary											

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub Division
BBMP

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka. Bangalore

8/11/23.

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Development Works at Kempegowda Statue Premises in Kempegowda Ward No-01 of Yelahanka Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Jagadish (Varun Kaarthick Constructions)

Item No.	E-13							

Item Name: Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm² conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (KPWD 2022-23, V-II Page No.17, Item No.6.33)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06-06-2023				
	Wall						
		1	1	11.30		1.70	19.21
		1	1	6.70		0.90	6.03
		1	2	0.90		2.15	3.87
		1	2	0.15		2.15	0.65
		1	2	1.40		2.15	6.02
		1	6	0.90		2.15	11.61
		1	2	1.45		2.15	6.24
		1	2	0.40		2.15	1.72
		1	2	4.20		2.15	18.06
		21	2	1.80		2.00	151.20
		18	2			2.00	129.60
	Total Quantity					354.20	Sqm
	Quantity Carried to Summary					354.20	Sqm

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಯಲಹಂಕ ಉಪವಿಭಾಗ

Asst Engineer
Ward No.01
BBMP

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yhk. Zone)
BBMP, Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP